

Official Newsletter of the Georgia Garden Railway Society

November, 2023

GGRS Feeds 5 Thousand at the North Georgia Live Steamers Oct. Event

Okay, maybe a little overstated, but The NGLS in their own publication had this to say about our little visit.

*“What an incredible day we had this past Saturday. The day started out with beautiful weather and friends from Georgia Garden Railway Society (GGRS) stopping by not only to spend some time with us but to feed us lunch before our big day. We received some great pictures from our Gauge-1 setup from Dan Long, who visited with his family and shared some great photos of their stay. He shared on*

*Facebook the following “We went to North Georgia Live Steamers today and Ezra had a blast. He asked if he could help and Mark showed him how to run an actual steam engine.”*

*Moments like this is what allows the hobby to live on. We had posts like this all over social media yesterday and the smiles are not possible without each of our members who came out to make the day such a success.*

*For those wondering about the numbers we gave 722 rides plus about 50 rides for GGRS. Based on historical numbers Saturday was our largest public run day to date for our railroad.”*

Cooperation between railroading groups, regardless of the size of their train sets, helps all fans, from 1:1 to 7.5” gauge, to G Scale, down to the small Z scale railroaders. If you missed the Ride-On opportunity, well..... you missed a great day outside!

Enjoy the photos on the next few pages.



Terry’s Train Tidbits



We have exciting new developments for future model train conventions. The Feasibility Committee for a 2024 Regional Garden Railroading Convention is working up a proposal to team with the

Atlanta Model Train Show to highlight G - scale vendor space at the Gas South Convention Center on August 24th and to schedule yard tours on the day before and day after that. Ted Yarbrough [yarbrought@charter.net](mailto:yarbrought@charter.net) and Roy Williamson [roywilliamson52@gmail.com](mailto:roywilliamson52@gmail.com) are coordinators for that event.

Ted Yarbrough is Coordinator of the Feasibility Committee to Host the 2025 Big Train Operators Club National Convention here in Georgia.

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### **Terry's Train Tidbits Cont.**

BTO seems excited about meeting in Georgia if an agreeable date can be arranged.

Personally, while I was slack about improvements to my outdoor layout this summer, I was actively developing several new themes to use on an alternating seasonal basis in my basement. With cooler temperatures moving in I'm now working on an enlargement to my outdoor Mount Jefferson village and zoo displays and hope to add one or two more rail lines before next spring. I hope all of you have new plans for your own garden, basement, and business layouts. (Brag about them to our editor!)

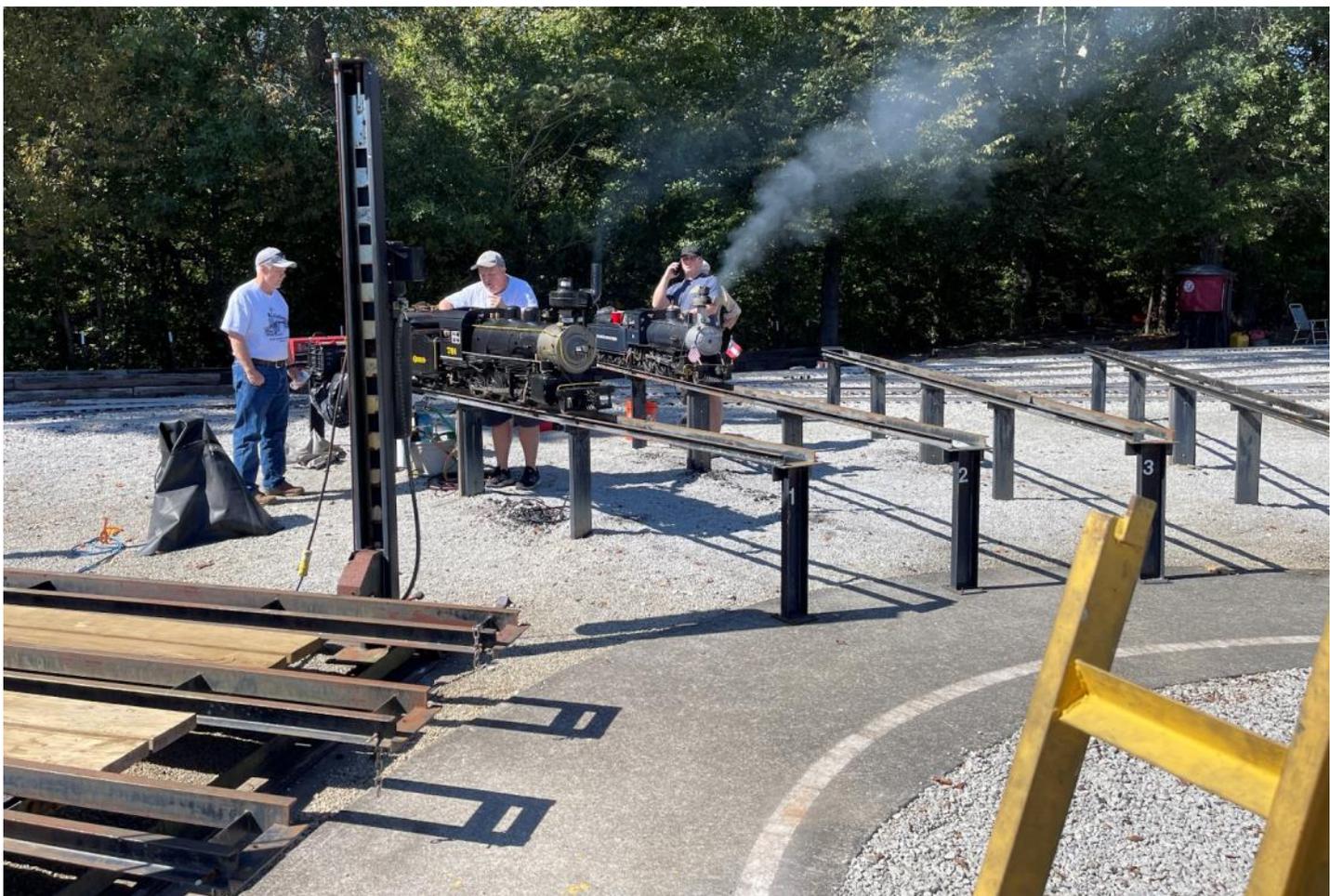
One of those two big swap meets we hoped for has come into fruition at the Williamson home at our November meeting. Tell your spouse that now is a good time to pick out those railroading holiday gifts.

*Terry Manning*  
[temannings@aol.com](mailto:temannings@aol.com)



Armstrong Turntable. Did you know that there are turntables that turn 1:1 Engines that are powered by humans in the same way? That takes some incredibly well balanced bearings. These scaled engines can weigh up to a thousand pounds apiece; certainly don't want one to fall off! It can take a steam engine a long time to go from cold start-up to steaming down the track.

So I am a little confused by this sign in front of the restrooms at the station between the tracks and the parking lot. Is there a drive-thru restroom somewhere? With this layout being located near the Olympic Horse Park, were there problems in the past with folks bringing their horses into the restrooms?





Is that who I think it is??? Yep!







## Elections

If you have been thinking about running for a position on the GGRS Board of Directors, now is your chance to make that dream a reality.

Nominations for 2024 BoD members is now

open. Our Board of Directors serve an important role, not only in regular operations, but also in determining the future direction of our club.

As Chairman of this year's Election Committee, I'd like you to consider helping by serving in one of the positions available. If you are interested, or know someone who might be, please submit your name and contact information to me.

To be in compliance with our Bylaws, I am requesting nominations be submitted for consideration not later than our November 11th meeting. This will provide enough time to properly process the nominations, prepare a slate of possible candidates, publish the slate for review, and to present the slate at the Annual Business Meeting in January.

Please remember: nominees must be members in good standing to be considered. As a reminder dues for the 2024 year are currently due.

Please take a minute to consider serving on our Board. If you have any questions, contact me.

Thanks in advance, Russ Bundy.



**Track Warrants**

\*\*\* NOTE: The Calendar contains some Rail related events that are NOT GGRS events! Due to timing of events and newsletter deadlines,, some updates may not have been posted. Contact host for additional info.

Event	Location	Date	Status
Piedmont Pilgrimage	Bundy and Bando are participating	October 22, 2023 1 - 5 P.M.	Volunteer help needed. Contact Russ or Sally
Swap, Sell, and Buy	Roy & Pam Williamson	Nov 11, 2023	Bring your swaps and cash!
Annual Meeting	Provino's in Kennesaw	Jan 13, 2024	Lunch & Games ! Oh yeah, a meeting too.
GGRS Club Mtg	Lou Sommers, Adrian, GA Savannah Area	Feb ??, 2024	Several members in the area
GGRS Club Mtg	Ron & Kristy Humphrey, Cumming, GA	May ??, 2024	
GGRS Club Mtg	Dan and Carol Steidle, Cumming, GA	Sep ??, 2024	Planning in Progress
GGRS Club Mtg	Elliot & Katherine Stotler, Highlands, NC	Oct ??, 2024	Planning in Progress

**GGRS**  
**November**  
**Club**  
**Meeting**  
**November**  
**11<sup>th</sup>**  
**10:30 A.M.**  
**– 2:00 P.M.**  
**\*\*Buy\*\***  
**Sell\*\***  
**Trade\*\***

**GGRS Swap**  
**Meet**

Pam & Roy Williamson  
 1031 Liberty Park Drive  
 Braselton, GA 30517  
 770-891-9462



The November GGRS Club Meeting is also going to be a large Swap Meet among club members. Do you have something you want to sell, but see something you need, how about a trade. Or, if you love everything you have and nothing to sell, you may see something you simply must have. I hear you can never have too many trains.

We're going to set up tables in the garage. If you have something you're looking to sell (engines, rolling stock, buildings, track, scenery, figures, or plants), you'll have your section on a table. If you have a large number of items, please bring your own table. We may even back some pick-up trucks onto the driveway and sell off of the tailgates. Roy's basement will also be open with plenty of items for sale.

At the Club Meeting there will be an update on the 2024 Southeast Regional Get-Together and the 2025 Big Train Operators Convention.

We will be serving a luncheon of pulled pork and pulled chicken. Roy is also threatening to make Burgoo. Please bring your delicious sides and desserts to complete our meal.

We hope to see you at our home for the first GGRS Swap Meet.

## Membership Report

This month's report starts off with a 'welcome back' to Dennis and Diane Allen from Snellville, Georgia. We are happy to have them back and look forward to seeing them at future meetings.

The Georgia Garden Railway Society also received three more dues' payments for the 2024 year. Remember you have only a couple more months before the new year.

Please send your checks (made out to GGRS) for \$25 to maintain your membership to -

Ginny Manning  
1201 Timber Glen Court  
Lilburn, GA 30047

Thank you,  
Ginny, Membership Chair

## Highballing down the Track

The Sacramento Garden Railway Society will be hosting the 2025 Convention. If California hasn't slid off into the Pacific by then, maybe you will join them. It will be the 40th Anniversary, (with a few years missing).

While there is not much online at this time, you can put your email into the mix and receive updates as the time draws closer. Go to: <https://ngrc2025.org/>

and provide your email address, then check back often as info gets added.



**What are the computers on Tier 4 locomotives capable of, processing wise? And just what does Tier 4 Mean?**

**Answer on page 13.**

## 2023 Piedmont Pilgrimage

Sunday, October 22nd , 2023 1pm - 5pm

James and Sally Bando's Grand Western Mining Company Railroad

<https://piedmontpilgrimage.com/layouts/5243/>

Russ Bundy's Cedar Creek

<https://piedmontpilgrimage.com/layouts/612/>

Sunday October 29, 2023 1pm - 5pm

Jim Foley's JD & VR Garden Railroad

<https://piedmontpilgrimage.com/layouts/508/>

Lori Thomas' Cothran Valley Gardens

<https://piedmontpilgrimage.com/layouts/522/>



**DON'T MISS THE 2023 PIEDMONT PILGRIMAGE**

See great Model Railroad Layouts, open to the public at No Charge.

Weekends, October 21 through November 19, 2023

See our website for a list of Model Railroads, when they are open, and where they are:  
[www.piedmontpilgrimage.com](http://www.piedmontpilgrimage.com)

 NATIONAL MODEL RAILROAD ASSOCIATION INC.
 


*"We're all about Model Trains!"*



## GEORGIA GARDEN RAILWAY SOCIETY CLUB MEETING

**NOVEMBER 11, 2023**

10:00 A.M. – 2:00 P.M.

**Swap . . . Sell . . . Buy**

Mark your calendars, Pam & Roy Williamson will be hosting a November Club Meeting which will also be a “Swap, Sell & Buy Meeting” for train related items as well as any plants you may want to share.





Check out our online store and updated website at [www.traininstallations.com](http://www.traininstallations.com)

Think about other ways or things we can help you with while we are stuck at home over the next few weeks including.

- Layout planning and CAD drawings
- Custom bridges
- Overhead RR systems
- Model kit assembly
- Train storage shelving

Now is a better time than ever to distract yourself with the hobby of model railroading! Let us know how we can help.

**Thanks - Dave**  
**770-597-0038**

**Train Installations, LLC**  
 Woodstock, GA 30188  
 770-597-0038  
[dave@traininstallations.com](mailto:dave@traininstallations.com)



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# What are Tier 4 locomotives and what are their computers capable of ?

Tier 4 locomotives are equipped with super computers that allow them to process massive amounts of data which allows them to improve operational and fuel efficiency. The units have 15 million lines of computer code, five times that of its predecessor.

"Tier 4" refers to a U.S. Environmental Protection Agency (EPA) emission-level standard that went into effect for new locomotives on January 1, 2015. Tier 4 locomotives earned their name because they comply with these emissions standards and reduce emissions by 90 percent compared to locomotives manufactured before the year 2000. This makes them the most fuel - efficient locomotives to date.

## Diesel Emissions Tiers

Year	HORSEPOWER GROUPS							
	25-49	50-74	75-99	100-174	175-299	300-599	600-750	750+
1995	T0	T0	T0	T0	T0	T0	T0	T0
1996	T0	T0	T0	T0	T1	T1	T1	T0
1997	T0	T0	T0	T1	T1	T1	T1	T0
1998	T0	T1	T1	T1	T1	T1	T1	T0
1999	T1	T1	T1	T1	T1	T1	T1	T0
2000	T1	T1	T1	T1	T1	T1	T1	T1
2001	T1	T1	T1	T1	T1	T2	T1	T1
2002	T1	T1	T1	T1	T1	T2	T2	T1
2003	T1	T1	T1	T2	T2	T2	T2	T1
2004	T2	T2	T2	T2	T2	T2	T2	T1
2005	T2	T2	T2	T2	T2	T2	T2	T1
2006	T2	T2	T2	T2	T3	T3	T3	T2
2007	T2	T2	T2	T3	T3	T3	T3	T2
2008	T4i	T4i	T3	T3	T3	T3	T3	T2
2008	T4i	T4i	T3	T3	T3	T3	T3	T2
2009	T4i	T4i	T3	T3	T3	T3	T3	T2
2010	T4i	T4i	T3	T3	T3	T3	T3	T2
2011	T4i	T4i	T3	T3	T4i	T4i	T4i	T4i
2012	T4i	T4i	T4i	T4i	T4i	T4i	T4i	T4i
2013	T4	T4	T4i	T4i	T4i	T4i	T4i	T4i
2014	T4	T4	T4i	T4i	T4	T4	T4	T4i
2015	T4	T4	T4	T4	T4	T4	T4	T4
2016	T4	T4	T4	T4	T4	T4	T4	T4
2017	T4	T4	T4	T4	T4	T4	T4	T4
2018	T4	T4	T4	T4	T4	T4	T4	T4
2019	T4	T4	T4	T4	T4	T4	T4	T4
2020	T4	T4	T4	T4	T4	T4	T4	T4

T4i = Tier 4 Interim

## Potential Amended Emission Standards for Newly Manufactured Locomotives and Locomotive Engines

Tier Level	Proposed Year of Manufacture	NOx		PM		GHG		HC		Proposed Effective Date
		Standard (g/bhp-hr) <sup>1</sup>	Percent Control <sup>2</sup>	Standard (g/bhp-hr) <sup>1</sup>	Percent Control <sup>2</sup>	Standard (g/bhp-hr) <sup>1</sup>	Percent Control <sup>1</sup>	Standard (g/bhp-hr)	Percent Control <sup>2</sup>	
5	2025	0.2	99+	<0.01	99	NA	10-25%	0.02	98	2025
With capability for zero-emission operation in designated areas.										

## Yard Hostler

It's getting cooler, and most Railroads are going into hibernation. The owners, operators, presidents, and gandy dancers of these fine establishments are probably working inside their shops preparing some new buildings, fixing up old ones; maybe putting a fresh set of wheels or piping on a tired engine, or even making plans to take on a new fleet....

We would love to publish your back shop stories during this slower period of time for your railway..... well, maybe slower isn't the word with the Holidays rapidly approaching.... Maybe you have some exciting Holiday news to share? Don't forget, I can't do this job alone. Send in your submissions, with pictures, today.

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